

## **Embedded Linux Development (LFD450)**

- 1. Introduction
- 2. Embedded and Real-Time Systems Concepts
- 3. Cross-Development Environments: Goals and Needs
- 4. Cross-Development Toolchain
- 5. Setting Up a Target Development Board
- 6. KBuild System
- 7. Boot loaders and U-Boot
- 8. Kernel Configuration, Compilation, Booting
- 9. Device Drivers
- 10. Device Trees
- 11. Target Filesystem Packaging
- 12. Build Target Root Filesystem
- 13. Root Filesystem Choices
- 14. Configuring uClibc
- 15. Build BusyBox Utility Suite
- 16. Kernel Monitoring and Debugging
- 17. Right-Sizing
- 18. Memory Technology Devices
- 19. Compressed Filesystems
- 20. System Upgrades
- 21. Real-Time Extensions